



南翔
NANXIANG

Saving transportation space and
ocean freight



PRODUCT BROCHURE

Container House Easy to assemble

ACCESSORIES

Includes window and door
Includes Fireproof floor
Includes electrical switch
and outlets

PRODUCT

Folding Container House
Flat Pack Container House
Detachable Container House

Tianjin Nanxiang
Steel Strip Processing Co., Ltd.



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01 ABOUT US

ABOUT US



Tianjin Nanxiang Steel Strip Processing Co., Ltd.(also known as "Nanxiang Group") has been dedicating itself to one-stop solution of prefabricated houses. The service ranges from architectural design, production, storage and transportation to installation instructions and after-sales service etc.

Nanxiang Steel, located in Tianjin City, covering an area of 62,840 square meters, with more than 1500 employees. Since the establishment in 2005, our production emphasis has gone through the transformation from building structure to integrated housing production. After years of efforts, our products have been exported to Europe, Africa, Southeast Asia, North America, South America and the Middle East. Now, its main products can be divided into five categories, which are folding container house, corrugated container house, expandable container house, detachable container house, steel frame of container house. The annual production capacity for different types of buildings can reach 500,000 square meters. We will always do best to supply the good quality products and perfect service.

FOLDING CONTAINER HOUSE

02



We can also customize the container house for clients as their requirement, such as the frame, color etc, to DIY one unique house



Minimizing transport cost



Sound insulation



Cold resistance



Beautiful



Durable



Fire proof



Wind proof



Anti-knock



Cloudburst proof



Waterproof

4 STEPS = 4 MINUTES = 1 HOUSE



HEAT INSULATION



WATER PROOF



KEEP WARM

I N S T A L L A T I O N





INTERNAL LAYOUT



20FT container house can be used as a beautiful office



20FT container house with 2 bedrooms and 1 bathroom



20FT container house can be used as a comfortable lounge



DOOR & WINDOW



Entry door



Aluminum Window



PVC Window

FLOOR



Sample Picture



PVC Floor

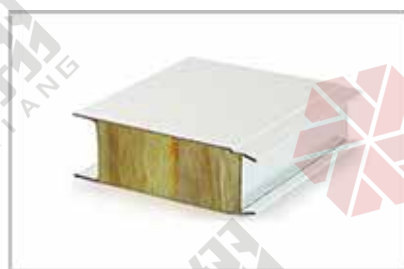
WALL AND ROOF PANEL



EPS

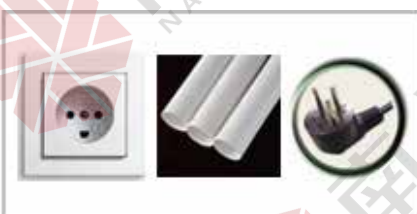
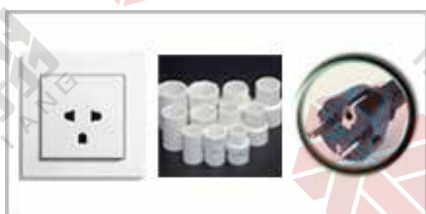


Glass Wool



Rock Wool

ELECTRIC AND PLUMBING SYSTEM



BATHROOM



A P P E A R A N C E



STANDARD MODEL



CORRUGATED SHEET MODEL



CAMOUFLAGE MODEL



WOOD GRAIN MODEL

C O N S T R U C T I O N



SINGLE FLOOR

(with external accessories)



TWO FLOORS

(with ladder)



MULTIPLE

(can be combined several units together)

FOLDING CONTAINER HOUSE

Name	Specification	Size	Quantity	Unit
Form 1	Standard container	External size: 5800mm*2500mm*2450mm Internal size: 5650mm*2350mm*2230mm Folding size: 5800mm*2500mm*400mm Weight: 1.3MT	1	Set
Frame	Top girder	Special shaped steel galvanized concave convex pipe 63mm*80mm*1.5mm (both sides)	3	Piece
	Bottom girder	Special shaped steel galvanized concave convex pipe 63mm*160mm*2.0mm (both sides)	3	Piece
	Top beam	Galvanized square pipe 50mm*50mm*1.8mm	6	Piece
	Front and rear end girder	Special shaped steel galvanized concave convex pipe 63mm*80mm*1.5 (both sides)	4	Piece
	Sidewall frame	Special shaped steel galvanized concave convex pipe 63mm*80mm*1.5 (both sides)	8	Piece
	Bottom crossbeam	Galvanized square steel pipe 40mm*80mm*2.0mm	4.5	Piece
	Cast steel butt joint Corner Fitting	Steel plate (200mm*100mm*15mm)	8	Piece
	Folding hinge	Galvanized hinge 85mm*115mm*3mm (Shaft column 304 stainless steel)	36	Piece
	Integral frame protective coating	Cabaret high gloss enamel	1	Set
Top of container	External roof	104 color steel tile (0.5mm)	6	Set
	Internal ceiling	831 ceiling tile (0.326mm)	7	Piece
	Insulation rock wool	Bulk density 60kg/m ³ *14.5square	14.5	m ²

FOLDING CONTAINER HOUSE

Name	Specification	Size	Quantity	Unit
Floor	Grade A fireproof glass magnesium plate	15mm	5	Piece
Wallboard	Heat insulation rock wool color steel composite sandwich panel (side wall)	0.326mm color steel plate / 50mm / 65kg / m3 rock wool	8	Piece
	Heat insulation rock wool color steel composite sandwich panel (Front and rear walls)	0.326mm color steel plate / 50mm / 65kg / m3 rock wool	6	Piece
Window	Aluminum alloy anti-theft integrated window (push-pull Series)	950mm*1200mm (With screen window)	2	Piece
Door	Special anti-theft door for folding container	860mm*1980mm	1	Piece
Electrical system	Circuit protector		1	Set
	Industrial plug and socket		2	Set
	Single tube LED light		1	Set
	Special socket for air conditioner		1	Set
	Light switch		1	Set
Roof load		$\cong 50\text{kg/m}^2$		
Floor load bearing		$\cong 150\text{kg/m}^2$		
Aisle bearing capacity		$\cong 200\text{kg/m}^2$		
Wall side pressure		$\cong 80\text{kg/m}^2$		
Fire rating		Class A fire protection		
Wall deformation coefficient		$\cong 300\text{kg/m}^2$		
Earthquake resistance		10 earthquake resistance		
Wind resistance		level 10 wind resistance		

Frame



External roof



Internal ceiling



Insulation rock wool



Floor



Wallboard



Window



Door



Circuit protector



Industrial plug and socket



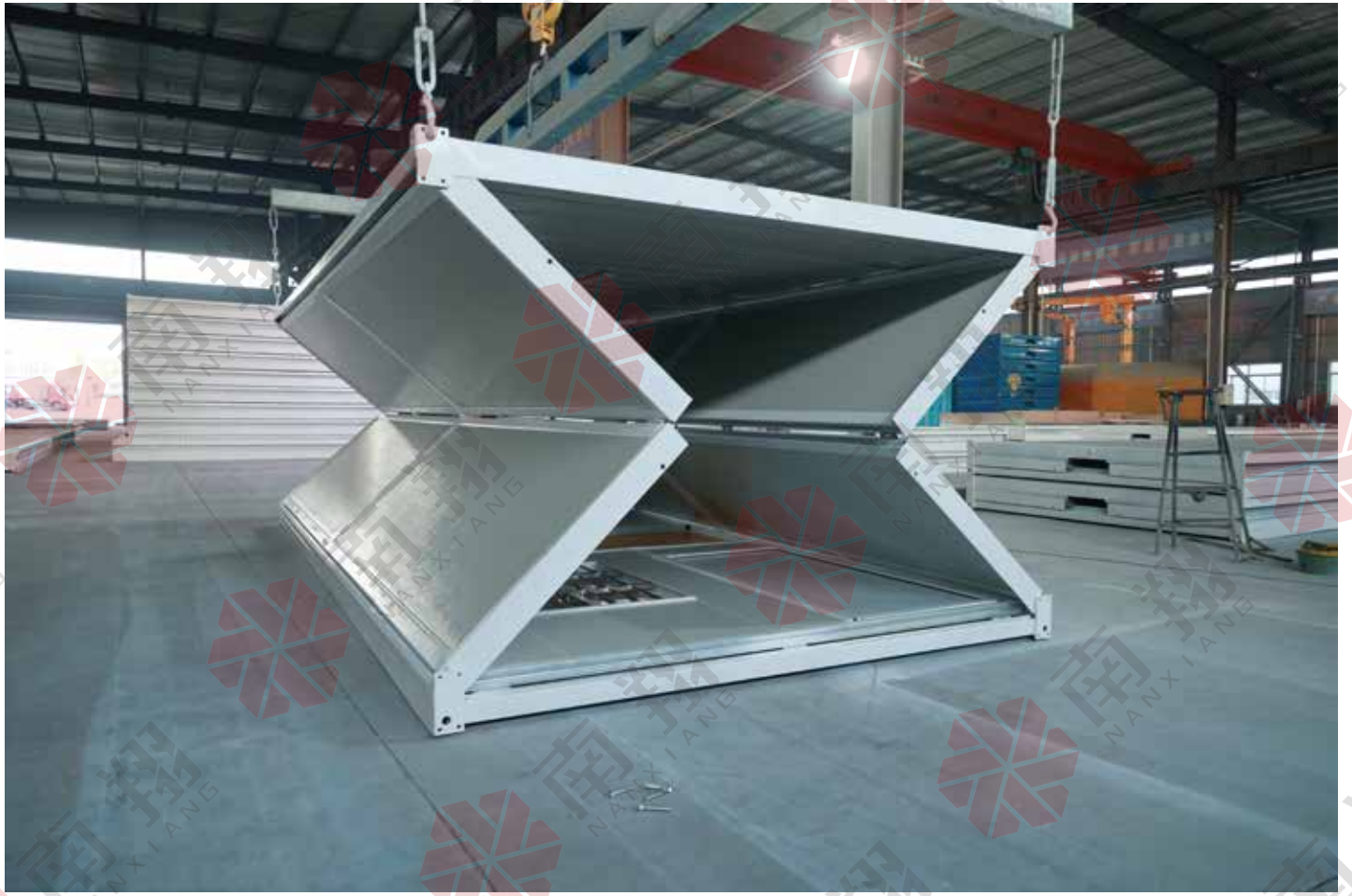
Single tube LED light



Light switch



























TRANSPORTATION



FLAT PACK CONTAINER HOUSE

03



While the frames of the detachable container are connected by bolts



Fireproof



Windproof



Waterproof



Sound insulation



Cold resistance

40 HP can load 6-8 units

INTERNAL LAYOUT



One Bedroom
Container House



Two Bedrooms
Container House



Container Toilet



Container Office



ACCESSORIES



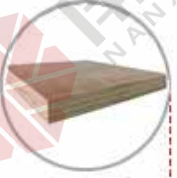
Column



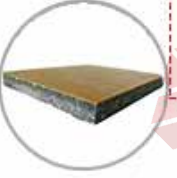
Bottom Side Beam



Internal Locking



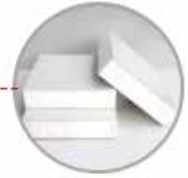
Plywood



MGO Board



Corner Fitting



Sandwich Panel



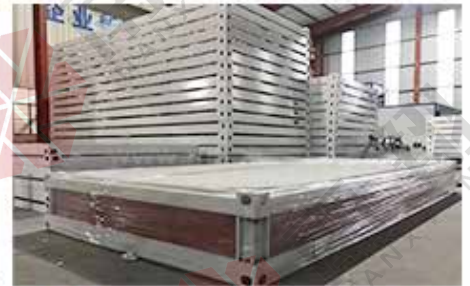
Window



Steel Door



TRANSPORTATION



FLAT PACK CONTAINER HOUSE

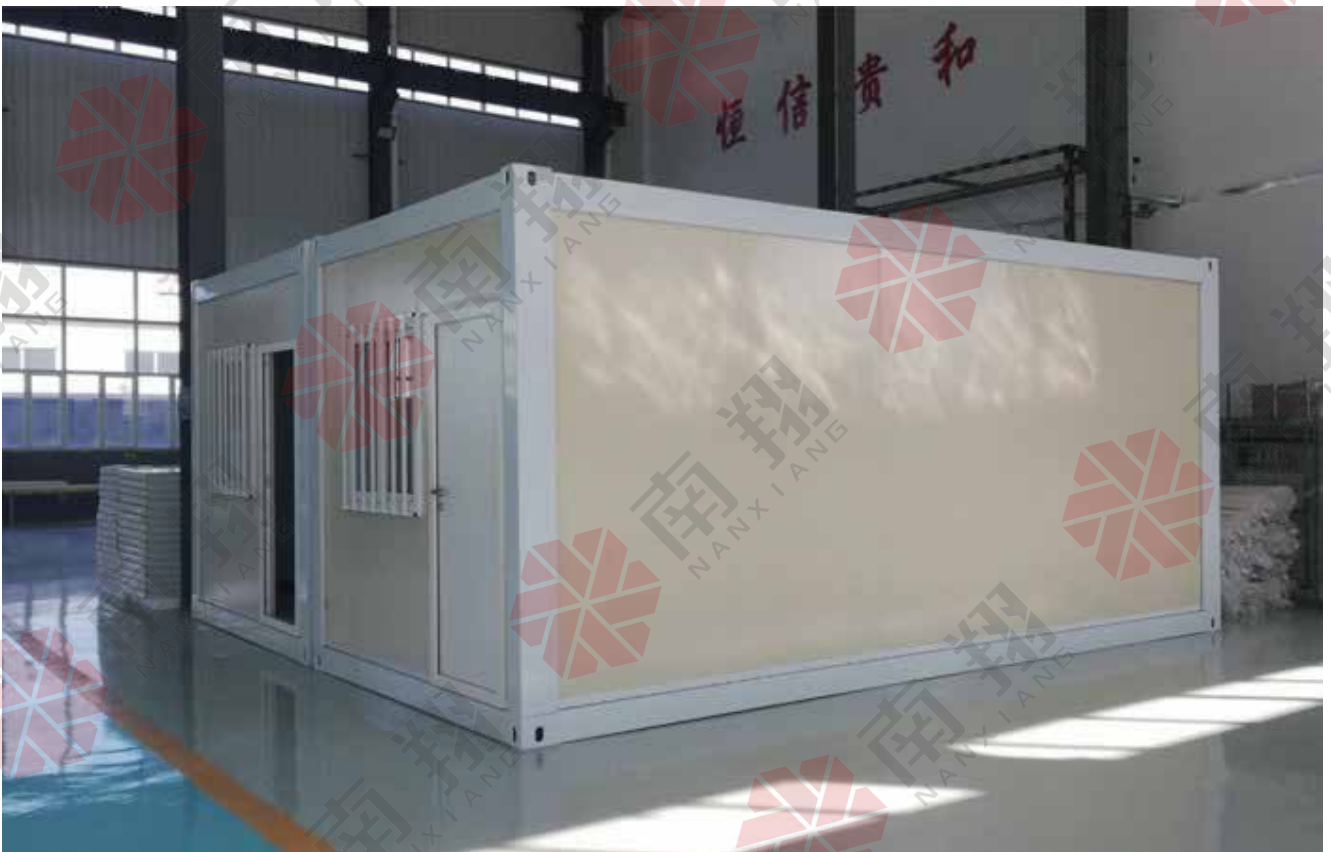
External dimensions(L*W*H)	5800*2438*2550mm	
Internal dimensions(L*W*H)	5660*2180*2310mm	
Package dimensions(L*W*H)	5800*2438*710mm	
Specification	Size	Quantity
Top frame	2.5mm galvanized form beam, galvanized content 80g/m ² , 170mm wide, 5380mm length	2 pcs
	2.5mm galvanized form beam, galvanized content 80g/m ² , 170mm wide, 2118mm length	2 pcs
	Galvanized C80*1.2mm cross brace, galvanized content 80g/m ²	6 pcs
	30*30*1.0mm square tube galvanized*2	2 pcs
	20*20*1.0mm galvanized square tube 1	1 pcs
MAIN FRAME 2.5mm Bottom frame	2.5mm galvanized form beam, galvanized content 80g/m ² , 160mm wide, 5380mm length	2 pcs
	2.5mm galvanized form beam, galvanized content 80g/m ² , 160mm wide, 2118mm length	2 pcs
	steel profile 1.2m	9 pcs
	Integrated trough for flooding and edging at the bottom of the wall panel 5630mm	2 pcs
	Integrated trough for flooding and edging at the bottom of the wall panel 2690mm	2 pcs
Column	2.5mm galvanized column, galvanized content 80g/m ² 210 wide, 150 wide and 2180mm high	4 pcs
	Connector 8.0mm, galvanized content 80g/m ²	8 pcs
	Reinforced L-shaped column	8 pcs
Galvanized corner fittings	3.5mm upper corner piece, galvanized content 80g/m ² 210*150*210mm	4 pcs

FLAT PACK CONTAINER HOUSE

Specification		Size		Quantity
MAIN FRAME 2.5mm	Galvanized corner fittings	3.5mm bottom corner piece, galvanized content 80g/m ² 210*150*160mm		4 pcs
	Single tile roofing	0.45mm color steel single tile, 360° joint, special waterproof method		1 set
	Top insulation	75mm glass wool insulation layer 14kg/m ³		1 set
	Color	Baking paint (electrostatic spraying)		1 set
	Screw bolt	Inner hexagon (galvanized)		48 pcs
Downspouts		ϕ50mm downspout		4 pcs
Ceiling tiles		0.35mm, 831 color steel integrated ceiling board, coated		1 set
Ceiling moldings		Ceiling angle iron, fixed ceiling tile		3 pcs
Floor	Calcium silicate board	18mm thick, 1177*2820mm		5 pcs
	Plastic flooring	1.6mm Plastic flooring		1 set
Corner line		Color steel corner line, white gray		4 pcs
Accessories		Screws, internal box connectors, 1 roll of waterproof stickers		1 set
Electrical accessories		2 LED lights 36w 100v corresponding to broadband		1 set
Steel door		840*2030 high-grade fireproof lock		1 set
Plastic steel anti-theft window		1130×1100mm double glass with frame		2 set
Wall board		50mm foam board, double-sided iron sheet 0.28/0.28mm, bulk density 12kg/m ³ , one orange peel pattern, one flat double film		1 set
Insulation		$\lambda=0.036\text{W/m}\cdot\text{K}$	Wind resistance	0.50kN/m ²
Sound insulation		Sound insulation $\geq 25\text{dB}$	Fireproof performance	Level A
Waterproof performance		Organized internal drainage pipes	Seismic performance	Level 8
Floor bearing capacity		2.0kN/m ²	Live load on the roof	0.8kN/m ²
Design period			20 years	
Sound insulation performance			Sound insulation $\geq 25\text{dB}$	
Waterproof performance			Organized internal drainage pipes	









DETACHABLE CONTAINER HOUSE

4



Saving transportation space and ocean freight.
Easy to carry, mobile and stackable.



Fireproof



Windproof



Waterproof



Sound
insulation



Cold
resistance

40 HQ can load 13-18 units

ACCESSORIES



TRANSPORTATION



DETACHABLE CONTAINER HOUSE

Name	Specification	Size
Standard house	External size (L*W*H)	5950*3000*2800mm
	Inner size(L*W*H)	5750*2800*2500mm
Technical data	Heat insulation	$\lambda=0.048W/m\cdot K$
	Sound Insulation	$\geq 30dB$
	Waterproof grade	II
	Ground load	2.0kN/m ²
	Windproof grade	0.60kN/m ²
	Fireproof grade	A
	Seismic grade	8
	Roof load	1.0kN/m ²
Structure	Frame	Galvanized steel, thickness 2.3mm
	Corner Connector	Thickenss 4.0mm
	Top Purlin	Galvanized steel, thickness 1.5mm
	Top steel tubes	Galvanized steel, thickness 1.2mm
	Bottom steel tubes	Galvanized steel, thickness 1.1mm
	Wall	double sided 0.30mm steel sheet with 50mm rock wool panels
	Roof	0.45mm steel cover, filled with 40mm glass wool
	Ceiling	0.23mm steel sheet
	Floor	18mm thickness cement sanding board
	Door (1pc)	Size: W925mm×H2035mm, Steel security door
	Window (2pcs)	Size:W920mm*H1200mm, sliding window
	Painting	Electrostatic spraying







PROJECT CASE 05















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